

ENTERED P

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/674,716B T

DATE: 08/20/2002 TIME: 10:58:26

Input Set : A:\09674716.txt

Output Set: N:\CRF3\08202002\1674716B.raw

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3 <110> APPLICANT: BONNEFOY, Jean-Yves M.P.
      4
              CROWE, James S.
      5
              ELLIS, Jonathan H.
              RAPSON, Nicholas T.
              SHEARIN, Jean
      9 <120> TITLE OF INVENTION: Antibodies to CD23, derivatives thereof, and their
therapeutic uses
     11 <130> FILE REFERENCE: 1430-256 / PG3433USw0
     13 <140> CURRENT APPLICATION NUMBER: US 09/674,716B
     14 <141> CURRENT FILING DATE: 2001-01-22
    16 <150> PRIOR APPLICATION NUMBER: CA 2,328,606
    17 <151> PRIOR FILING DATE: 1999-05-07
    19 <150> PRIOR APPLICATION NUMBER: PCT/GB99/01434
     20 <151> PRIOR FILING DATE: 1999-05-07
     22 <150> PRIOR APPLICATION NUMBER: GB 9809839.5
    23 <151> PRIOR FILING DATE: 1998-05-09
    25 <160> NUMBER OF SEO ID NOS: 54
   · 27 <170> SOFTWARE: MS Word
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   · 31 <212> TYPE: DNA
    32 <213> ORGANISM: Mus musculus
    34 <220> FEATURE:
    35 <221> NAME/KEY: CDS
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    38 <400> SEQUENCE: 1
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    40
          Ala Leu Gln Leu Leu Ser Thr Gln Asp Leu Thr Met Asp Phe Gly
    41
                                                10
    43 ctg att ttt ttt att gtt ctt tta aaa ggg gtc cag agt gaa gtg aag
                                                                           95
    44 Leu Ile Phe Phe Ile Val Leu Leu Lys Gly Val Gln Ser Glu Val Lys
    45
                         20
                                             25
    47 ctt gag gag tct gga gga ggc ttg gtg caa cct gga gga tcc atg aaa
                                                                           143
    48 Leu Glu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly Ser Met Lys
                    35
    51 ctc tcc tgt gta gcc tct gga ttt act ttc agt ggc tac tgg atg tct
                                                                           191
    52 Leu Ser Cys Val Ala Ser Gly Phe Thr Phe Ser Gly Tyr Trp Met Ser
                50
                                     55
    55 tgg gtc cgc cag tct cca gag aag ggg ctt gag tgg gtt gct gaa att
                                                                           239
    56 Trp Val Arg Gln Ser Pro Glu Lys Gly Leu Glu Trp Val Ala Glu Ile
    57
                                 70
    59 aga ttg aaa tct gat aat tat gca aca cat tat gcg gag tct gtg aaa
                                                                           287
    60 Arg Leu Lys Ser Asp Asn Tyr Ala Thr His Tyr Ala Glu Ser Val Lys
                             85
                                                 90
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63 ggg aag ttc acc atc tca aga gat gat tcc aaa agt cgt ctc tac ctg	335
64 Gly Lys Phe Thr Ile Ser Arg Asp Asp Ser Lys Ser Arg Leu Tyr Leu	
65 100 105 110	
67 caa atg aac agc tta aga gct gaa gac agt gga gtt tat tac tgt aca	383
68 Gln Met Asn Ser Leu Arg Ala Glu Asp Ser Gly Val Tyr Tyr Cys Thr	
69 115 120 125	
71 gat ttc ata gac tgg ggc caa ggg aca cta gt	415
72 Asp Phe Ile Asp Trp Gly Gln Gly Thr Leu	
73 130 135	
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77 <212> TYPE: DNA	
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82 <222> LOCATION: (3)(437)	
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86 Ala Leu Gln Leu Leu Ser Thr Gln Asp Leu Thr Met Arg Phe Ser	
87 1 5 10 15	
89 gtt cag ttt ctg ggg gtg ctt atg ttc tgg atc tct gga gtc agt ggg	95
90 Val Gln Phe Leu Gly Val Leu Met Phe Trp Ile Ser Gly Val Ser Gly	
91 20 25 30	
93 gat att gtg ata acc cag gat gaa ctc tcc aat cct gtc act tct gga	143
94 Asp Ile Val Ile Thr Gln Asp Glu Leu Ser Asn Pro Val Thr Ser Gly	
95 35 40 45	
. 97 gaa toa gtt too ato too tgo agg tot agt aag agt oto otg tat aag	191
98 Glu Ser Val Ser Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu Tyr Lys	
99 50 55 60	
. 101 gat ggg aag aca tac ttg aat tgg ttt ctg cag aga cca gga caa tct	239
102 Asp Gly Lys Thr Tyr Leu Asn Trp Phe Leu Gln Arg Pro Gly Gln Ser	
103 65 70 75	
105 cct cag ctc ctg atg tat ttg atg tcc acc cgt gca tca gga gtc tca	287
106 Pro Gln Leu Leu Met Tyr Leu Met Ser Thr Arg Ala Ser Gly Val Ser	
107 80 85 90 95	
109 gac cgg ttt agt ggc agt ggg tca ggc aca gat ttc acc ctg gaa atc	335
110 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Glu Ile	
111 100 105 110	
113 agt aga gtg aag gct gag gat gtg ggt gtg tat tac tgt caa caa ctt	383
114 Ser Arg Val Lys Ala Glu Asp Val Gly Val Tyr Tyr Cys Gln Gln Leu	
115 120 125	
117 gta gag tat cca ttc acg ttc ggc tcg ggg aca aag ttg gaa ata aaa	431
118 Val Glu Tyr Pro Phe Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys	
119 130 135 140	40.7
121 cgt acg	437
122 Arg Thr	
123 145	
125 <210> SEQ ID NO: 3	
126 <211> LENGTH: 16	

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127 <212> TYPE: PRT
 128 <213> ORGANISM: Mus musculus
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 139 <220> FEATURE:
 140 <221> NAME/KEY: CDS
 141 <222> LOCATION: (1)..(48)
 143 <400> SEQUENCE: 4
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 149 <211> LENGTH: 7
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 158 <211> LENGTH: 21
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. 160 <213> ORGANISM: Mus musculus
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. 164 <222> LOCATION: (1)..(21)
 166 <400> SEQUENCE: 6
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 171 <210> SEQ ID NO: 7
 172 <211> LENGTH: 9
 173 <212> TYPE: PRT
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 178
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 181 <211> LENGTH: 27
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 183 <213> ORGANISM: Mus musculus
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 186 <221> NAME/KEY: CDS
 187 <222> LOCATION: (1)..(27)
 189 <400> SEQUENCE: 8
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27
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 192
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 201
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 203 <210> SEQ ID NO: 10
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 219 <212> TYPE: PRT
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 226 Val Lys Gly
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 230 <211> LENGTH: 57
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 232 <213> ORGANISM: Mus musculus
 234 <220> FEATURE:
 235 <221> NAME/KEY: CDS
 236 <222> LOCATION: (1)..(57)
 238 <400> SEQUENCE: 12
 239 gaa att aga ttg aaa tct gat aat tat gca aca cat tat gcg gag tct
 240 Glu Ile Arg Leu Lys Ser Asp Asn Tyr Ala Thr His Tyr Ala Glu Ser
                                                                         57
 243 gtg aag ggg
 244 Val Lys Gly
 246 <210> SEQ ID NO: 13
 247 <211> LENGTH: 3
 248 <212> TYPE: PRT
 249 <213> ORGANISM: Mus musculus
 251 <400> SEQUENCE: 13
 252 Phe Ile Asp
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TIME: 10:58:26 PATENT APPLICATION: US/09/674,716B Input Set : A:\09674716.txt Output Set: N:\CRF3\08202002\1674716B.raw 255 <210> SEQ ID NO: 14 256 <211> LENGTH: 9 257 <212> TYPE: DNA 258 <213> ORGANISM: Mus musculus 260 <220> FEATURE: 261 <221> NAME/KEY: CDS 262 <222> LOCATION: (1)..(9) 264 <400> SEQUENCE: 14 265 ttc ata gac 266 Phe Ile Asp 267 1 269 <210> SEQ ID NO: 15 270 <211> LENGTH: 19 271 <212> TYPE: PRT 272 <213> ORGANISM: Artificial Sequence 274 <220> FEATURE: 275 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic sequence 277 <400> SEQUENCE: 15 278 Met Gly Trp Ser Cys Ile Ile Leu Phe Leu Val Ala Thr Ala Thr Gly 279 1 281 Val His Ser 284 <210> SEQ ID NO: 16 285 <211> LENGTH: 19 286 <212> TYPE: PRT 287 <213> ORGANISM: Artificial Sequence 289 <220> FEATURE: . 290 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic sequence 292 <400> SEQUENCE: 16 293 Met Ala Trp Val Trp Thr Leu Leu Phe Leu Met Ala Ala Ala Gln Ser . 294 1 5 296 Ala Gln Ala 299 <210> SEQ ID NO: 17 300 <211> LENGTH: 348 301 <212> TYPE: DNA 302 <213> ORGANISM: Artificial Sequence 304 <220> FEATURE: 305 <223> OTHER INFORMATION: Description of Artificial Sequence: Humanised anti-CD23 antibody VL region 307 <220> FEATURE: 308 <221> NAME/KEY: CDS 309 <222> LOCATION: (1)..(348) 311 <400> SEQUENCE: 17 312 gat att gtg atg act cag tct cca ctc tcc ctg ccc gtc acc cct gga 313 Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly 314 316 gag ccg gcc tcc atc tcc tgt cgc tcg agt aag agt ctc ctg tat aag 96 317 Glu Pro Ala Ser Ile Ser Cys Arg Ser Ser Lys Ser Leu Leu Tyr Lys

320 gat ggg aag aca tac ttg aat tgg tac ctg cag aag cca ggg cag tct 321 Asp Gly Lys Thr Tyr Leu Asn Trp Tyr Leu Gln Lys Pro Gly Gln Ser

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RAW SEQUENCE LISTING ERROR SUMMARY
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Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:17; Line(s) 305
Seq#:18; Line(s) 350
Seq#:48; Line(s) 812
Seq#:49; Line(s) 828
Seq#:52; Line(s) 930
Seq#:53; Line(s) 963

VERIFICATION SUMMARY

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